



PTO/SB/06a/b (08-03)

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    | Application Number       | 10/507,004             |          |
|   |   |    | Filing Date              | September 8, 2004      |          |
|   |   |    | First Named Inventor     | Hiroshi Sugiyama       |          |
|   |   |    | Art Unit                 | 1626                   |          |
|   |   |    | Examiner Name            | Stockton, L.           |          |
| Sheet   | 1 | of | 2                        | Attorney Docket Number | SAE-0023 |

| U.S. PATENT DOCUMENTS |          |   |                                |  |   |
|-----------------------|----------|---|--------------------------------|--|---|
| Examiner Initials*    | Cite No. | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
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| FOREIGN PATENT DOCUMENTS |                       |  |                                   |  |   |                |
|--------------------------|-----------------------|--|-----------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number-Kind Code <sup>2</sup> (if known) | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>4</sup> |
|                          | BA                    | WO-01/085733-A1  | 11-15-2001                        | Japan Science And Technology Corporation           |   |                |
|                          | BB                    | WO-01/36677-A1   | 05-25-2001                        | Japan Science And Technology Corporation           |   |                |
|                          | BC                    | WO-00/15641-A1   | 03-23-2000                        | Japan Science And Technology Corporation           |   |                |
|                          | BD                    | JP 2000-281679-A   | 10-10-2000                        | Japan Science And Technology Corporation           |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |                 |                |
|---------------------------------|-----------------------|---|--|-----------------|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |                 | T <sup>2</sup> |
|                                 | CA                    | International Search Report dated May 27, 2003  |  |                 |                |
|                                 | CB                    | Dervan, Peter B., "Molecular Recognition of DNA by Small Molecules," Bioorganic & Medicinal Chemistry, Vol. 9, Pages 2215-2235, Pergamon, Elsevier Science Ltd. (2001)  |  |                 |                |
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| Examiner Signature              | /Laura L. Stockton/   |   |  | Date Considered | 05/16/2008     |

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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|-------|---|----|---|------------------------|-------------------|
| Sheet | 2 | of | 2 | Application Number     | 10/507,004        |
|       |   |    |   | Filing Date            | September 8, 2004 |
|       |   |    |   | First Named Inventor   | Hiroshi Sugiyama  |
|       |   |    |   | Art Unit               | 1626              |
|       |   |    |   | Examiner Name          | Stockton, L.      |
|       |   |    |   | Attorney Docket Number | SAE-0023          |

|    |  |
|----|--|
| CJ | Tao et al., "Rational Design of Sequence-Specific DNA Alkylating Agents Based on Duocarmycin A and Pyrrole-Imidazole Hairpin Polyamides," J. Am. Chem. Soc., Vol. 124, Pages 4961-4967, American Chemical Society (1999)   |
| CK | Sugiyama et al., "Covalent Alkylation of DNA with Duocarmycin A: Identification of Abasic Site Structure," Tetrahedron Letters, Vol. 31, No. 49, Pages 7197-7200, Pergamon Press Ltd. (1990)   |
| CL | Sugiyama et al., "A Novel Guanine N3 Alkylation by Antitumor Antibiotic Duocarmycin A," Tetrahedron Letters, Vol. 34, No. 13, Pages 2179-2182, Pergamon Press Ltd. (1993)  |
| CM | Boger et al., "An Improved Synthesis of 1,2,9,9a-Tetrahydrocyclopropa[e]benz[e]indol-4-one (CBI): A Simplified Analogue of the CC-1065 Alkylation Subunit," J. Org. Chem., Vol. 57, Pages 2873-2876, American Chemical Society (1992)                              |
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| CO | Tao et al., "Highly Cooperative DNA Alkylation by the Homodimer of Imidazole-Pyrrole Diamide CBI Conjugate with Vinyl Linker," J. Am. Chem. Soc., Vol. 122, Pages 1602-1608, American Chemical Society (2000)  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*Applicant's unique citation designation number (optional). \*Applicant to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LLS/

|                    |                     |                 |            |
|--------------------|---------------------|-----------------|------------|
| Examiner Signature | /Laura L. Stockton/ | Date Considered | 05/16/2008 |
|--------------------|---------------------|-----------------|------------|

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